Avian Diseases

Honorary Lifetime Editor

P. P. LEVINE

L. C. GRUMBLES, *Editor*

R. F. GENTRY, *Associate Editor*

Editorial Board

J. N. BEASLEY
B. R. BURMESTER
R. R. CHALQUEST
F. R. CRAIG
J. FABRICANT
W. B. GROSS
L. E. HANSON
R. P. HANSON
C. F. HELMBOLDT
W. HENDERSON
S. B. HITCHNER
M. S. HOFSTAD
A. C. JERSTAD
L. G. RAGGI
W. M. REID
J. E. WILLIAMS
R. W. WINTERFIELD
H. YODER, JR.

Business Manager

G. H. SNOEYENBOS

VOL. XII

ITHACA, NEW YORK

1968

AUTHOR INDEX

A

Ablashi, Dharam V. 401
Adler, H. E. 412, 681
Anderson, D. P. 693
Ardrey, W. B. 505

B

Baird, James 61
Bankowski, R. A. 217, 259
Barahona, H. H. 151
Beard, Charles W. 658
Bhasin, Jagmohan L. 159
Biberstein, Ernst L. 159
Bohl, E. H. 554
Bucci, T. J. 96
Burgoyne, G. H. 169, 522
Burke, C. N. 483
Burmester, B. R. 522

C

Calnek, B. W. 104, 111
Carlson, H. C. 297, 636, 700
Carlson, V. L. 606
Chang, Pei W. 401
Cho, B. R. 585
Chomiak, T. W. 394
Cole, R. K. 9
Colwell, W. M. 716, 724
Conrad, R. D. 259
Cordy, D. R. 412

D

Daniel, M. D. 423, 434
Davis, R. B. 1
Davis, R. V. 37
Dillard, L. H. 445, 629, 645, 650

E

Eidson, C. S. 467, 543, 549, 571
Estupinan, J. 135, 139

F

Faddoul, George P. 61
Fellows, Gordon W. 61
Fischer, R. G. 354
Fredrickson, T. N. 246
Frey, M. L. 693

G

Gelenczei, E. F. 142
Gerlach, Helga 217, 681
Glazener, W. C. 208
Good, R. E. 327
Gross, W. B. 417
Gupta, B. N. 441

H

Haggart, Margaret 505
Hall, Gaye O. 445
Hall, Sherwin A. 75
Hanley, J. E. 1, 327
Hanson, L. E. 332, 594
Hanson, R. P. 135, 139, 151, 208, 423, 434, 693
Heddleston, K. L. 129
Helmboldt, C. F. 285
Henderson, Wilson 29
Hetrick, J. M. 327
Hofstad, M. S. 665
Hwang, Jen 361

J

Jensen, L. S. 186

K

Kellogg, F. E. 518
Kenzy, S. G. 186, 585
Kim, U. H. 585
Kleven, Stanley H. 614
Kottaridis, S. D. 246, 383, 394
Kowalski, L. M. 317

L

Langham, R. F. 441
Larsen, C. T. 614
Lasher, H. N. 142
Leibovitz, Louis 361, 670
Luecke, D. H. 354
Luginbuhl, R. E. 227, 246, 383, 394, 483

M

Machicao, Nicanor 75
Mack, John 530
Malhotra, F. C. 29
Mancini, Lawrence O. 278, 348, 686
Maronpot, R. R. 96
Matterson, L. D. 285
Mayeda, Bryan 67
Mikami, T. 217
Miner, M. L. 37, 46
Mohamed, Y. S. 476, 554
Mohanty, G. C. 689
Moore, W. E. C. 417
Moorhead, P. D. 476
Morehouse, N. F. 85
Morgan, Herbert R. 227

N

Nassif, B. D. 208
Newman, John A. 614
Nichols, James B. 303

O

Olson, A. E. 46
Olson, N. O. 311
Orthoefer, John G. 303

P

Peterson, C. F. 505
Prestwood, Annie K. 518

R

Rebers, P. A. 129
Reynolds, B. 259
Reynolds, H. A. 332
Riddell, C. 285
Rigdon, R. H. 202, 530
Rosenwald, A. S. 681
Rude, T. A. 85

S

Sautter, Jay H. 614
Schmittle, S. C. 229, 467, 543, 549, 571, 716, 724
Schneider, Nathan 303
Schrieber, Minnie 303
Sharma, U. K. 594
Silberman, M. S. 543
Simon, J. 594
Singsen, E. P. 285
Smart, R. A. 37, 46
Snoeyenbos, G. H. 606
So, Ik Gwan 191
Solomon, D. P. 311
Solomon, J. J. 169
Spalatin, J. 135, 139
Springer, W. T. 229
Stedham, M. A. 96
Stephens, J. F. 317
Sunka, E. M. 1
Sweeny, P. R. 636, 700

T

Thompson, K. D. 354
Tiffany, L. W. 29
Tokaryk, J. M. 700
Trainer, D. O. 208
Tripathy, S. B. 186
Truscott, R. B. 239
Tudor, D. C. 379

V

Vatne, R. D. 85

W

Wagstaff, R. K. 186
Watrach, A. M. 332
West, J. L. 689
Whenham, G. R. 297
Williams, J. E. 445, 512, 629, 645, 650
Williams, L. F. 483
Winterfield, R. W. 191, 577
Witter, R. L. 169, 522
Woodward, H. 379

Y

Yates, Vance J. 278, 348, 401, 686

A

adeno-like viruses, seven isolates, characterization and comparison 483
airsacculitis, relation to mycoplasmas in turkeys 693
ampicillin anhydrous vs. Salmonella typhimurium 606
annual meeting, AAAP, 1968, summary 567
arizona group
  7:1,7,8 in young turkeys 317
  in turkey, immune factors 681
  penetration of chicken egg shells 645
arrhenoblastoma in an Indian Desi hen 441
author instructions 755

B

blackhead, 1,2-dimethyl-5-nitroimidazole vs., in turkey 85
book review: Newcastle Disease — A Review, 1926–1964 422
bronchitis, infectious
  test for with Newcastle disease virus 658
  vaccines, responses to 577
  virus propagation in embryo 401

C

cage layer fatigue, bone pathology in 285
canary, pox in, histology 594
Candida albicans and chick fatty-acid deficiencies 186
Capillaria phasianina in pheasant, characteristics 518
cell culture of avian encephalomyelitis virus 278
CELO virus (see chicken-embryo-lethal-orphan virus)
chicken-embryo-lethal-orphan virus, culture of 348
chloramphenicol vs. Salmonella typhimurium 606
cholera
  adjuvant bacterins vs. in turkey 159
  immunity induced by feeding Pasteurella multocida 129
colibacillosis, development of carriers 505
coliforms (see Escherichia coli)
coli-septicemia, broiler-house dust relation to 297
coryza, infectious, Spectinomycin and erythromycin vs. 1
crooked-neck in turkey, pathology and microbiology 476

D

Desi hen, arrhenoblastoma in 441
diagnosis of respiratory disease, complications 259
diethylaminoethyl dextran for plaque enhancement of Newcastle strains 151
dihydrostreptomycin sulfate vs. Salmonella typhimurium 606
1,2-dimethyl-5-nitroimidazole vs. Histomonas meleagridis in turkey 85
diseases reported
  Northwestern Conference area, 1967 730
  Southern Conference area, 1967 737
duck
  vertebra malformation in sterile hybrids 202
  Wenyonella philiplevinei, n. sp., in 670
duck plague on American continent 361

E

egg penetration
  by arizona group 645
  by Mycoplasma gallisepticum 650
  by Newcastle disease 650
  by salmonellae 629
encephalomyelitis
  cultivation in vitro 278
  cultivation of 686
  in embryo, effects on cultivation 401
  experimental 689
  histopathogenesis in tissues 229
enteritis, transmissible, disease reproduction in turkey 239
enterohepatitis (see histomoniasis)
errata, correction of Diseases Reports of Southern Conference on Avian Disease, 1966 216
erysipelothrix in starlings 61
erythromycin
  plus Spectinomycin, vs. infectious coryza 1
  vs. infectious coryza 1
Escherichia coli in broiler-house dust 297

F

focal degenerative myopathy in turkey 96

G

genetics
  resistance to lymphoid leukosis in breeding flocks 104
  resistance to Marek's disease 9

gizzard, ulcers of, in chicks 327
granulomas of turkey livers, causes and mechanism 417
guidelines for authors 755

H

hemostasis, thrombocyte function in 636
Histomonas meleagridis in turkey, 1,2-dimethyl-5-nitroimidazole vs. 85

I

infectious coryza (see coryza, infectious)
infectious enterohepatitis (see histomoniasis)
influenza, virus propagation in embryo, effects of latent encephalomyelitis virus in 401
influenza A, complicating diagnosis of respiratory diseases 259
intracerebral pathogenicity index for differentiating Newcastle disease strains 139

K

kanamycin sulfate vs. Salmonella typhimurium 606
Kenya, fowl of, antibodies in for Newcastle disease and Mycoplasma gallisepticum 227

L

laryngotracheitis, infectious
  nuclear inclusion bodies of 332
  susceptibility of turkeys to 191
leukosis
  lymphoid, in breeding flocks 104
  lymphoid, lesions in young chickens 111
  subgroups A and B in chicken 585
liver regeneration in blackhead-infected turkeys 85
lymphoid leukosis
  in breeding flocks 104
  lesions in young chickens 111
lysosomal structures in chicken thrombocytes 636

M

magnesium for plaque enhancement of Newcastle strains 151
Marek's disease
  antigenic components 394
  cell cultures infected with 169
  in chicken, body temperatures of 716
  GA isolate, airborne transmission 724
  GA isolate, characteristics in chickens 467
  GA isolate, susceptibility of various lines 571
  genetic resistance to 9
  immunofluorescent studies 383
  lesion vs. nonlesion donor birds 543
  propagation of Conn-A isolate 246
  survival in litter and droppings 522
  transmission 549
Mycoplasma gallisepticum
  antibodies for in Kenya fowl 227
  lesions in chickens and turkeys from 412
  penetration of chicken eggs 650
Mycoplasma meleagridis, serology in turkeys 554
mycoplasmas and airsacculitis in turkeys 693
myocarditis in broilers at high altitude 75
myopathy, focal degenerative, in turkey 96

N

naladixic acid vs. Salmonella typhimurium 606
neomycin vs. Salmonella typhimurium 606
new species, Wenyonella philiplevinei 670
Newcastle disease
  antibodies for in Kenya fowl 227
  isolation and characterization of Hickman strain 434
  penetration of chicken eggs 650
  plaque enhancement 151
  propagation in embryo, effects of latent encephalomyelitis virus in 401
  strain differentiation 423
  strain differentiation, intracerebral pathogenicity index for 139
  three strains in vaccines 665
  titrating strains of 135
  use in test for infectious bronchitis 658
Northwestern Conference area, diseases reported in 730
nutrition, essential fatty acids and Candida albicans in chicks 186

O

ornithosis, histology of chickens inoculated with 217

P

parakeet, pox from, histology in canaries and chicken embryos 594
paramyxo viruses, complicating diagnosis of respiratory diseases 259
paratyphoid, errata on 216

Pasteurella multocida (see cholera)
pheasant, Capillaria phasianina in, characteristics 518
plague in ducks on American continent 361
pox from parakeet, histology in canaries and chicken embryos 594
pox viruses, cell-culture-propagated, in chicken and turkey 142
pullorum, errata on 216

Q

quaternary ammonium compound toxicity to poults 67

R

rendering plants, contamination with salmonellae 303
respiratory disease, diagnosis complicated by influenza A and paramyxo viruses 259
reticuloendotheliosis virus
  viability in Triatoma infestans 354
  viremic period of in chicks 354
round heart syndrome in turkey, pathogenesis 614

S

salmonella
  contamination in rendering plants 303
  penetration of chicken eggs 629
  determination in feedstuffs 29
Salmonella typhimurium
  antibacterials vs. in hatching eggs 606
  penetration of chicken eggs 445
  strain P-10, history, morphology, and properties 512
salmonellosis, errata on 216
scoliosis, spontaneous in chicken 530
Southern Conference area, diseases reported 737
Spectinomycin
  plus erythromycin vs. infectious coryza 1
  vs. infectious coryza 1
staphylococcal synovitis (see synovitis, staphylococcal)
starlings, erysipelothrix in 61
synovitis
  caused by viral arthritis 311
  staphylococcal, pathogenesis in turkey 37, 46

T

techniques
  cultivation of encephalomyelitis virus 278, 686
  culture of chicken-embryo-lethal-orphan virus 348
  differentiation of Newcastle disease strains 423
  infectious bronchitis test using Newcastle disease virus 658
  inoculating chicken embryos with tylosin 379
  Marek's disease propagation 246
  plaque enhancement of Newcastle strains 151
  titrating strains of Newcastle disease virus 135
tetracycline HCl vs. Salmonella typhimurium 606
thrombocytes
  function of 636
  phagocytic and trephocytic activity of 700
transmissible enteritis (see enteritis)
Triatoma infestans, viability of reticuloendotheliosis virus in 154
turkey
  arizona 7:1,7,8 in 317
  arizona group in, immune factors 681
  cell-culture-propagated pox viruses in 142
  cholera in, adjuvant bacterins vs. 159
  crooked-neck in, pathology and microbiology 476
  1,2-dimethyl-5-nitroimidazole vs. blackhead in 85
  focal degenerative myopathy in 96
  fowl cholera in 129
  liver granulomas of, causes and mechanism 417
  Mycoplasma gallisepticum in, lesions from 412
  Mycoplasma meleagridis, serology in 554
  round heart of, pathogenesis 614
  staphylococcal synovitis in 37, 46
  susceptibility to infectious laryngotracheitis 191
  toxicity to poults of quaternary ammonium compound 67
  transmissible enteritis in, reproduction of 239
  wild, disease exposure of 208
tylosin, inoculation of chick embryo with 379

U

ulcers, gizzard, in chicks 327

V

viral arthritis, cause of synovitis outbreak 311

W

Wenyonella philiplevinei, n. sp. 670